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This listing of claims will replace all prior versions, and listings, of claims in the application

LISTING OF CLAIMS

- 1. (currently amended) A circuit arrangement, comprising:
- a transmission unit for inserting data belonging to at least two ene terminal equipment types or services that are capable of including both voice and data type in a frame having a frame length, said transmission unit comprising an insertion mechanism for inserting said data of a terminal equipment of the at least two ene terminal equipment types type, said data of all terminal equipment types being synchronously inserted into said frame and transmitted with a transfer rate formed dependent on the frame length and number of bits arranged in the frame with a digital time-division multiplex technique.
- 2. (currently amended) A circuit arrangement, comprising:
 - a reception unit for dividing a datastream transmitted in a frame, said frame comprising data belonging to at least two terminal equipment types or services that are capable of including both voice and data, by a transmitter to at least one terminal equipment type of said at least two terminal equipment types; and
 - a switch module for a purpose-conforming division of said datastream

 transmitted in said frame, in which a further division onto further
 terminal equipment of said at least two a terminal equipment types or
 services type is undertaken based on control data.
- 3. (original) A circuit arrangement, comprising a transmission-reception unit which comprises said transmission unit of claim 1, and said reception unit of claim 2.
 - 2 REQUEST FOR CONTINUED EXAMINATION AND PRELIMINARY AMENDMENT B

- 4. (currently amended) A method for transmitting a data stream in a frame belonging to at least two one terminal equipment types or services that are capable of including both voice and data type, comprising the steps of:
 - synchronously inserting data of <u>said at least two</u> all terminal equipment types or services into said frame in a first unit;
 - transmitting said data with a transfer rate formed dependent on a frame

 length and number of bits arranged in the frame to a second unit with a
 time-division multiplex method; and
- 10 dividing said data stream <u>in said frame</u> to terminal devices of at least <u>two</u> one terminal equipment <u>types or services</u> type in said second unit.
 - 5. (currently amended) A method according to claim 4, further comprising the step of depositing data for operational control of <u>connections</u> a connection to which at least <u>two</u> ene terminal equipment <u>types or services that is capable of including both voice and data are</u> is connected in <u>a single</u> an operating eoc channel of said frame.
- 6. (original) A method according to claim 5, wherein said connections are telephony connections, ISDN connections or broadband connections.
 - 7. (original) A method according to claim 4, further comprising the step of filling a payload data region available in a frame in a terminal equipment-specific manner depending on a transmission rate of a transmission link.

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- 8. (original) A method according to claim 4, further comprising the step of connecting a plurality of terminal equipment of at least one terminal equipment type to a transmission-reception unit.
- 9. (currently amended) A method according to claim 4, further comprising the steps of:

providing bits for operational control in said data belonging to <u>said</u> a terminal equipment <u>types or services</u> type; and

arranging said bits outside of a payload data region provided for said terminal equipment.

- 10. (original) A method according to claim 9, wherein said bits for operational control are arranged in an overhead of said frame.
- 11. (original) A method according to claim 10, further comprising the steps of: allocating said bits for operational control to an operating eoc channel; and addressing said bits for operational control via a sub-address in a message format of said operating channel.
- 20 12. (original) A method according to claim 4, further comprising the step of accepting data of a plurality of ISDN connections in said frame, said frame being a symmetric digital subscriber line frame.
 - 13. (original) A method according to claim 4, further comprising the step of accepting data of a plurality of traditional telephony connections in said frame, said frame being a symmetric digital subscriber line frame.
 - 4 REQUEST FOR CONTINUED EXAMINATION AND PRELIMINARY AMENDMENT B

- 14. (previously presented) A method according to claim 4, wherein said step of transmitting said data comprises transmitting said data of a symmetric digital subscriber line frame synchronously on a transmission link between said first unit, which is a network node, and said second unit, which is a network termination unit with a time-division multiplex method.
 - 15. (cancelled).

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- 16. (currently amended) A method for transmitting a data stream in a frame belonging to at least two one terminal equipment types or services that are capable of including both voice and data type, comprising the steps of:
 - synchronously inserting data of <u>said at least two</u> individual terminal equipment types <u>or services</u> into said frame in a first unit;
 - synchronously transmitting said data with a transfer rate formed dependent on a frame length and number of bits arranged in the frame to a second unit with a time-division multiplex method; and
 - dividing said data stream of said frame to terminal devices of at least two one terminal equipment types or services type in said second unit.
 - 17. (new) A method for providing an ISDN service utilizing an SDSL frame, comprising:
 - providing voice channels and higher layer signaling of ISDN as a payload inside said SDSL frame;
- 25 providing ISDN specific eoc messages as an SDSL eoc that is not a part of the payload and is not multiplexed into timeslots; and
 - 5 REQUEST FOR CONTINUED EXAMINATION
 AND PRELIMINARY AMENDMENT B

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transmitting said SDSL frame from a transmitter to a receiver in order to achieve a synchronous transfer without an ISDN physical layer.

18. (new) A method for providing a synchronous transfer of payload services
 that include ISDN, voice and data over an SDSL communication link, comprising:

providing at least two payload services in a single SDSL frame;

providing a common overhead infrastructure that includes synchronization and an eoc signaling channel for the SDSL frame, wherein the assignment of the logic eoc channels between terminations is made via addressing;

wherein the synchronization utilizes an SDSL clock.

19. (new) A method for providing a synchronous transfer of payload services that include ISDN, voice and data over an SDSL communication link, comprising:

creating an SDSL sub-block that comprises an ISDN B-channel, an ISDN D-channel, and further payload data;

combining multiple SDSL sub-blocks with SDSL overhead into an SDSL payload block; and

transmitting multiple SDSL payload blocks from a sender to a receiver.

20. (new) The method according to claim 1, wherein the frame further comprises a single common embedded operating channel data block over the data for the multiple terminal equipment types or services.

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21. (new) The method according to claim 2, wherein the frame further comprises a single common embedded operating channel data block over the data for the multiple terminal equipment types or services.